AIRS LEVEL 1B INFRARED

AIRS LEVEL 1B PGE STATUS
RADIANCES

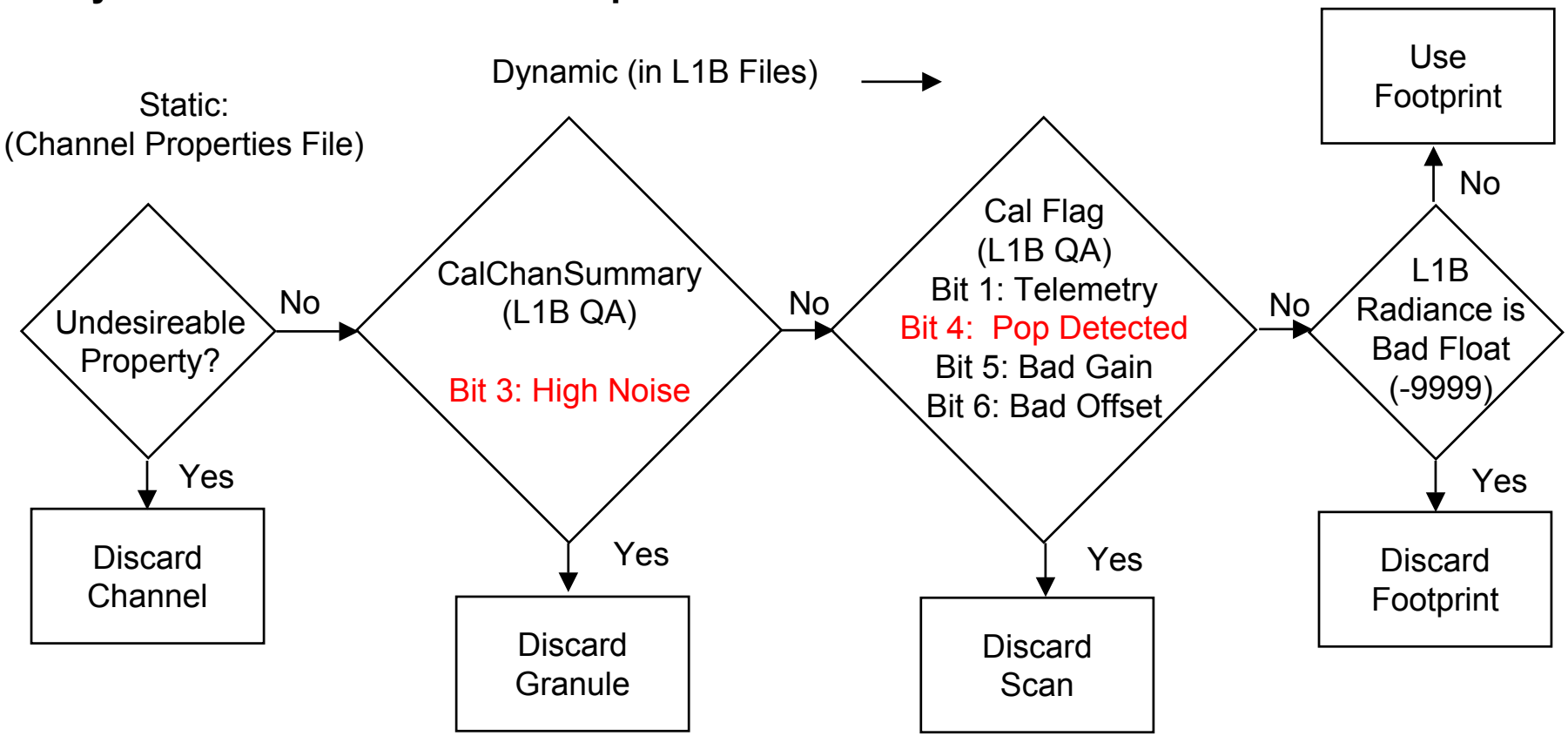
- **Current Version in Baseline: v2.6.7.3**
- **Radiances**
  - ***Gains averaged over all scans in a granule, then applied to each scan***
  - ***Offsets are median of 8 space views from each scan***
  - ***Calibration Coefficients per IEEE paper to be published (Available upon request)***
  - ***No change to radiances planned at this time***

AIRS LEVEL 1B PGE STATUS
QA DATA

- **L1B QA Updates:**
  - ***All Calibration Flags working***
  - ***"nominal_freq" is valid frequencies***
  - ***New definition of NEN in place***
  - ***Updated L1B counts limits***
  - ***Updated Pop Detection Algorithm. Still in check.***
  - ***Updated AutomaticQAFlag Definition***
- **Pending Activities**
  - ***Update Limits for…***
    - Pop Detection
    - NEN
  - ***Lunar Detection Flags***
- **L1B Final by L+7 (December)**

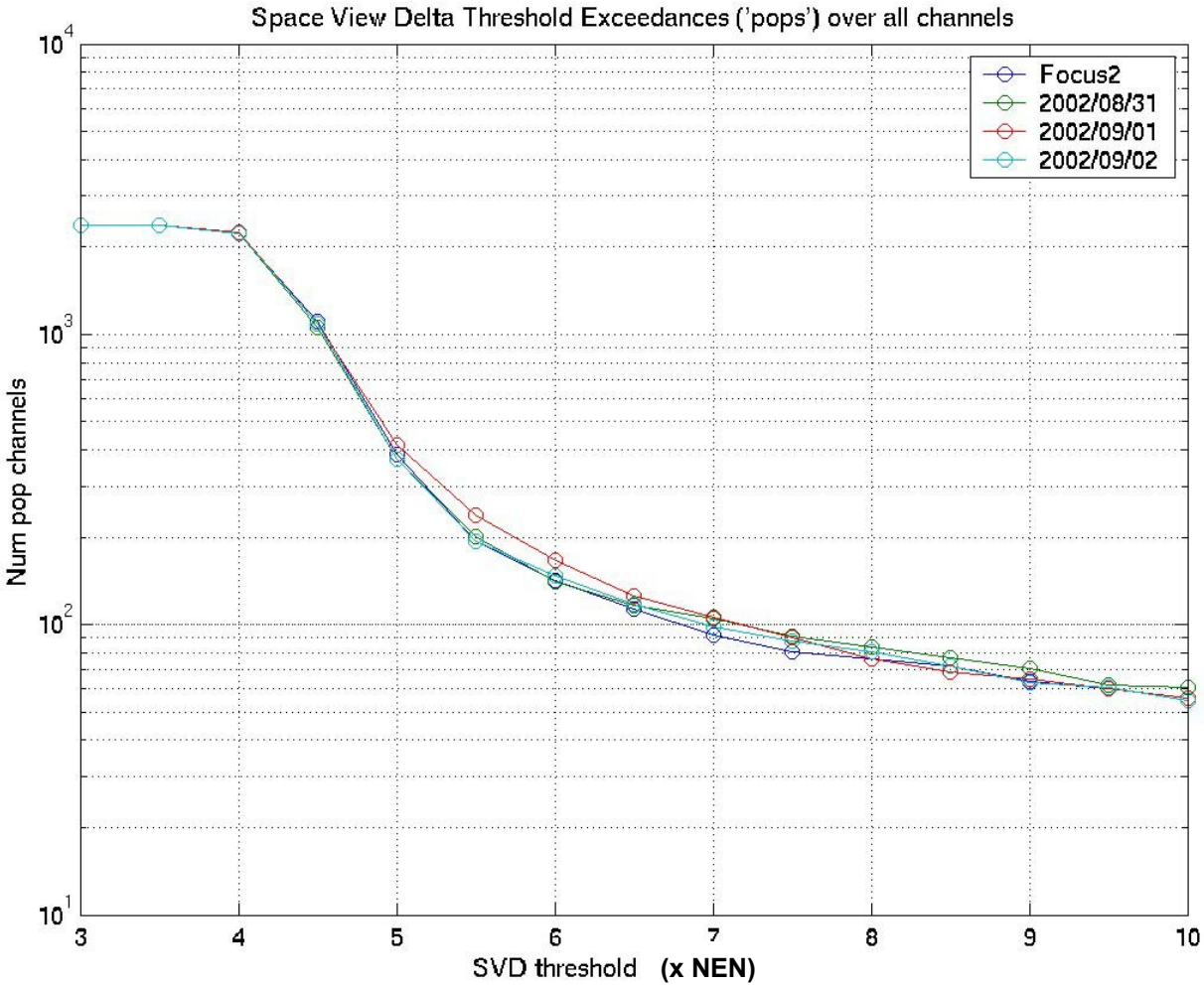
PROCESS IN PLACE FOR DETECTION OF OUT-OF-LIMIT CONDITIONS OF CHANNELS

Apply the following algorithm on every channel to determine if footprint is useable:

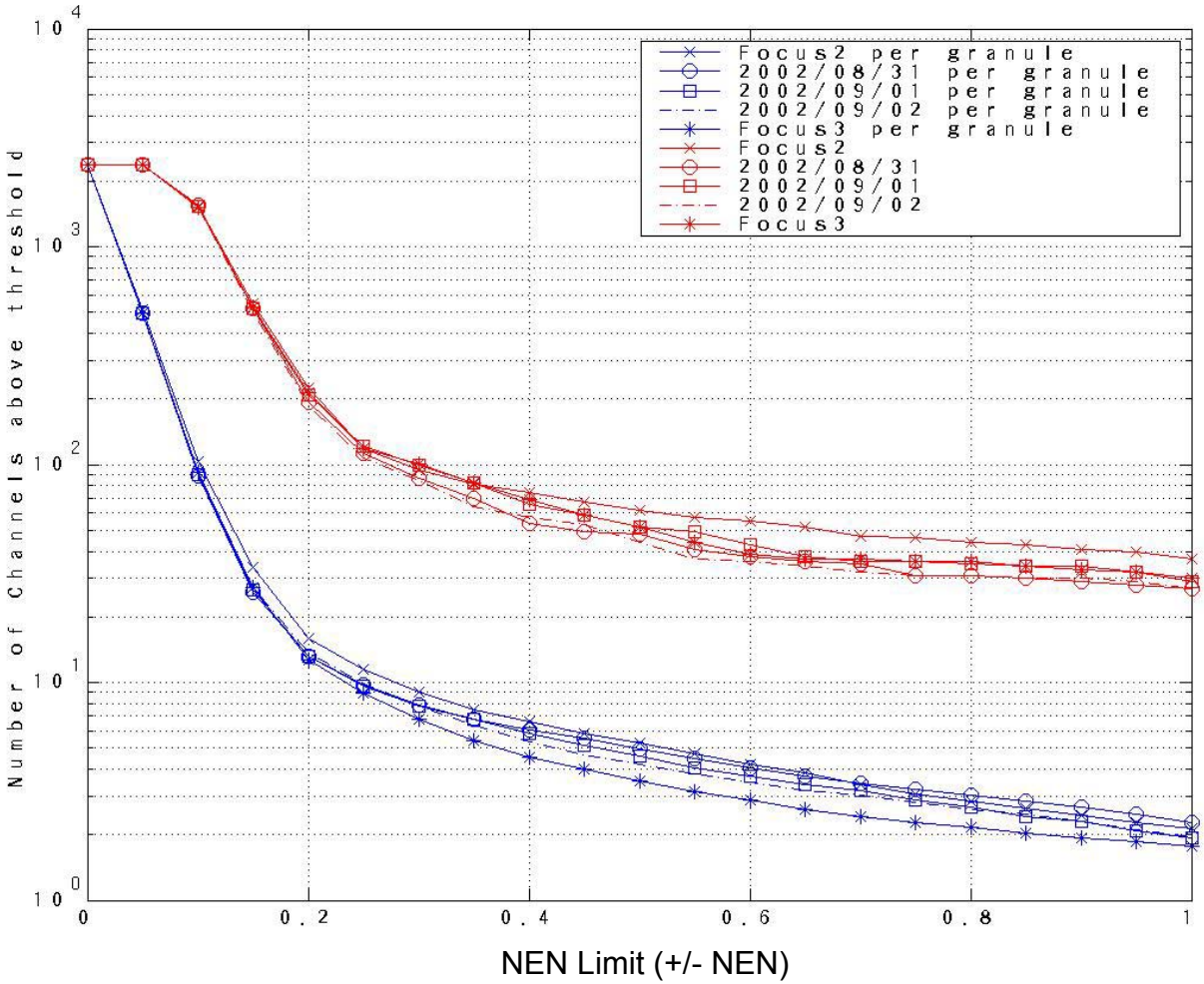


Science Team Participation Requested for setting Limits for Noise and Pops

WHAT SHOULD LIMIT BE ON “POPS”?



WHAT SHOULD LIMIT BE ON NEN?



SUMMARY AND CONCLUSIONS

- Project on track
- Icing will require defrost within the next two months. Expect approximately 1 week to recover
- Instrument gains and radiation circumvention levels optimized
- Instrument performance looks very good
- PGE Radiances look good. No changes expected in near term
- PGE QA is working. Process for flagging events in place
- QA limits need work. Particularly Pops and NEN
- Expect to be completed with L1B by due date in Oct/Nov